
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: Tue Sep 04 10:26:41 EDT 2007

Validated By CRFValidator v 1.0.3

Application No: 10590886 Version No: 1.1

Input Set:

Output Set:

Started: 2007-09-04 10:25:51.688

Finished: 2007-09-04 10:25:51.997

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 309 ms

Total Warnings: 4

Total Errors: 0

No. of SeqIDs Defined: 6

Actual SeqID Count: 6

Error code		Error Description									
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(3)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(4)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(5)
W	213	Artificial	or	Unknown	found	in	<213>	in	SEQ	ID	(6)

SEQUENCE LISTING

<110>	Kore Lee, Kim, Hwar Cho, Choi	ea Research Dong-hee Tae-Hoon ng, In-taek Kwang-yun L, Jung-sup Kwan-hwi Bum-tae	Institute o	of Chemical	Technology							
<120>	Polypeptide Having Function of Cinnamyl Alcohol Dehydrogenase, a Polynucleotide Coding the Polypeptide and Those Uses											
<130>	DJKIM.GENO.PT2											
<140> <141>	10/590,886 2006-08-25											
<150> <151>												
<150> <151>												
<160>	6											
<170>	Pate	entIn versio	on 3.4									
<210>	1											
<211>	1205	5										
<212> <213>	DNA Arak	oidopsis tha	aliana									
<400>	1											
acgcatt	cgt	catttggtcc	ctccacttag	agagaagcag	acagaacata	actaaaatcg	60					
agaaaaa	atgg	caaacagtgg	tgaaggtaaa	gtggtgtgtg	taacaggagc	ctccggttac	120					
atcgcct	cat	ggctcgtcaa	gttcctactt	agccgtggct	acactgttaa	ggcctccgtc	180					
cgtgato	ccca	gtgatccgaa	aaagacacaa	cacttagttt	cactagaagg	tgcaaaggaa	240					
agactto	cact	tgttcaaagc	agaccttttg	gaacaaggtt	ctttcgactc	tgctattgat	300					
ggttgco	catg	gagttttcca	cactgcttct	ccatttttta	atgatgccaa	agacccacag	360					
gctgaac	ctta	ttgatcctgc	ggtcaagggg	acgcttaacg	ttttgaattc	gtgcgccaaa	420					
gcctctt	cgg	ttaagagggt	tgttgtaacc	tcctccatgg	ctgccgttgg	ttacaatgga	480					
aaaccac	cgca	cacctgatgt	taccgtcgat	gaaacttggt	tctctgatcc	tgagctttgc	540					
gaggcct	cca	agatgtggta	tgttctatcc	aagactttgg	cggaagatgc	agcttggaaa	600					
ctcgcta	aaag	agaaaggctt	agacattgtt	actattaacc	cggctatggt	gatcggtcct	660					

ctcctacagc	caactctgaa	cacgagtgct	gctgctatat	taaacttaat	caatggtgca	720
aagactttcc	caaacttgag	tttcggatgg	gttaatgtaa	aagacgtagc	caatgcgcac	780
atccaaacat	ttgaggtccc	ttcagctaat	gggcgttatt	gtttggtcga	gcgtgtcgtt	840
caccactccg	agattgttaa	cattctacgt	gagctttacc	caaatctccc	actacctgaa	900
aggtgtgtgg	acgagaatcc	ctacgtgcca	acgtatcaag	tgtccaagga	taaaacgagg	960
agccttggca	tagactacat	acccttgaag	gttagcatca	aggagaccgt	cgagtccttg	1020
aaggaaaaag	gtttcgcaca	gttctgagaa	agcatttgag	ccaatggatt	taatccagat	1080
tagataaagt	atttggaaga	ctatttcaaa	aataatattt	ggaacatgtc	aatgttctca	1140
aggagatatt	agtatgttct	tgtgtacttt	attgttgttc	catcaaatga	gttacttttc	1200
ctttt						1205

<210> 2

<211> 326

<212> PRT

<213> Arabidopsis thaliana

<400> 2

Met Ala Asn Ser Gly Glu Gly Lys Val Val Cys Val Thr Gly Ala Ser 1 5 10 15

Gly Tyr Ile Ala Ser Trp Leu Val Lys Phe Leu Leu Ser Arg Gly Tyr 20 25 30

Thr Val Lys Ala Ser Val Arg Asp Pro Ser Asp Pro Lys Lys Thr Gln 35 40 45

His Leu Val Ser Leu Glu Gly Ala Lys Glu Arg Leu His Leu Phe Lys 50 60

Ala Asp Leu Leu Glu Gln Gly Ser Phe Asp Ser Ala Ile Asp Gly Cys 65 70 75 80

His Gly Val Phe His Thr Ala Ser Pro Phe Phe Asn Asp Ala Lys Asp
85 90 95

Pro Gln Ala Glu Leu Ile Asp Pro Ala Val Lys Gly Thr Leu Asn Val 100 105 110

1	ьeu	ASI	115	Cys	Ala	гуз	Ala	120	ser	Val	гуз	Arg	125	Val	Val	Inr
4	Ser	Ser 130	Met	Ala	Ala	Val	Gly 135	Tyr	Asn	Gly	Lys	Pro 140	Arg	Thr	Pro	Asp
	Val 145	Thr	Val	Asp	Glu	Thr 150	Trp	Phe	Ser	Asp	Pro 155	Glu	Leu	Cys	Glu	Ala 160
	Ser	Lys	Met	Trp	Tyr 165	Val	Leu	Ser	Lys	Thr 170	Leu	Ala	Glu	Asp	Ala 175	Ala
	Гrр	Lys	Leu	Ala 180	Lys	Glu	Lys	Gly	Leu 185	Asp	Ile	Val	Thr	Ile 190	Asn	Pro
Ä	Ala	Met	Val 195	Ile	Gly	Pro	Leu	Leu 200	Glu	Pro	Thr	Leu	Asn 205	Thr	Ser	Ala
1	Ala	Ala 210	Ile	Leu	Asn	Leu	Ile 215	Asn	Gly	Ala	Lys	Thr 220	Phe	Pro	Asn	Leu
	Ser 225	Phe	Gly	Trp	Val	Asn 230	Val	Lys	Asp	Val	Ala 235	Asn	Ala	His	Ile	Gln 240
2	Ala	Phe	Glu	Val	Pro 245	Ser	Ala	Asn	Gly	Arg 250	Tyr	Суз	Leu	Val	Glu 255	Arg
7	Val	Val	His	His 260	Ser	Glu	Ile	Val	Asn 265	Ile	Leu	Arg	Glu	Leu 270	Tyr	Pro
Ā	Asn	Leu	Pro 275	Leu	Pro	Glu	Arg	Cys 280	Val	Asp	Glu	Asn	Pro 285	Tyr	Val	Pro
-	Γhr	Tyr 290	Gln	Val	Ser	Lys	Asp 295	Lys	Thr	Arg	Ser	Leu 300	Gly	Ile	Asp	Tyr
	Ile 305	Pro	Leu	Lys	Val	Ser 310	Ile	Lys	Glu	Thr	Val 315	Glu	Ser	Leu	Lys	Glu 320
]	Lys	Gly	Phe	Ala	Gln 325	Phe										

```
<211> 35
<212> DNA
<213> Artificial
<220>
<223> Sense Primer
<400> 3
aaggatccat ggcaaacagt ggtgaaggta aagtg
                                                                    35
<210> 4
<211> 35
<212> DNA
<213> Artificial
<220>
<223> Antisense Primer
<400> 4
                                                                    35
cgaagctttc agaactgtgc gaaacctttt tcctt
<210> 5
<211> 31
<212> DNA
<213> Artificial
<220>
<223> Sense Primer
<400> 5
gaagatctca gaactgtgcg aaaccttttt c
                                                                    31
<210> 6
<211> 29
<212> DNA
<213> Artificial
<220>
<223> Antisense Primer
<400> 6
                                                                    29
gctctagatg gcaaacagtg gtgaaggta
```